

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP PROGRAM  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

<b>PROJECT INFORMATION</b>	
<b>Project Title:</b> Mineral Mountain Catchment Redevelopment	<b>Project No.</b> 09-607
<b>Region/GMU:</b> Region 6/ GMU 37B	<b>HPC:</b> No Local HPC Available
<b>Project Type:</b> Water Catchment Redevelopment	
<b>Project Description:</b> To redevelop/ repair the Mineral Mountain Water Catchment using newer more efficient catchment technology while staying in the existing footprint. This Catchment was originally built in 1983 and has since fallen into disrepair. The damage to the catchment is affecting its ability to catch and retain water.	
<b>Wildlife Species to Benefit:</b> Mule Deer, Javelina, and various small game and non-game species	
<b>Possible Funding Partners:</b>	
<b>Implementation Schedule:</b> Beginning: January 1, 2010 Completed: January 1, 2012	<b>NEPA Compliance:</b> (if applicable) Completed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Projected Completion Date:
<b>PROJECT FUNDING</b>	
<b>SBG Funds Requested:</b> \$ 37,860.00	
<b>Cost Share Funds:</b> \$ 2,750.00	
<b>Total Project Costs:</b> \$ 40,610.00	
<b>PARTICIPANT INFORMATION</b>	
<b>Applicant:</b> Kriselle Colvin (please print) <b>Telephone:</b> 480-354-5643	<b>Address:</b> 7200 East University Mesa, AZ 85207
<b>AGFD Contact and Phone No.</b> Kriselle Colvin 480-354-5643 (If applicant is not AGFD personnel)	
<b>Coordinated with:</b> Joseph Currie, AZ Game and Fish Dept. Darrell Tersey, Bureau of Land Management	<b>Date:</b> 2008/2009
<b>Applicant's signature:</b>	<b>Date:</b>

**SEND COMPLETED APPLICATIONS TO:**

Game Branch  
 Arizona Game and Fish Department  
 5000 W. Carefree Highway  
 Phoenix, AZ 85086  
 rthompson@azgfd.gov

**WAS PROJECT PRESENTED TO THE LOCAL HPC?** YES \_\_\_\_\_ NO ☒ \_\_\_\_\_

(revised 7-02-2007)

**No local HPC available**

**HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?**

**No**

**NEED STATEMENT/PROBLEM ANALYSIS:**

The Mineral Mountain Catchment #882 is in need of serious repairs. The catchment was built in 1982 and has suffered severe damage from the elements. The sheeting of the apron is coming off and cannot be reattached due to the fact that the wood underneath is rotting. This catchment is in a prime location in the bottom of a small draw and is used very frequently by mule deer and javelina herds in the area. The damage to the catchment is affecting its ability to gather and hold water and the catchment itself is outmoded.

This catchment should be replaced with a newer system that can hold more water to sustain the existing deer and javelina populations in the area that have come to depend on it as a perennial water source.

**PROJECT OBJECTIVES:**

- a) Retain water availability for mule deer and javelina in the Mineral Mountain area
- b) Use newer catchment technology to maximize water caught and stored
- c) Use newer technology to make a more self sustaining catchment that requires less repairs over time
- d) Improve access to catchment for wildlife and hunters

**PROJECT STRATEGIES:**

- a) Completely redevelop existing catchment while staying in established footprint
- b) Remove old apron and tank and install 2, 3' deep 18' diameter tanks and a new 24' by 72' metal frame and R-panel apron
- c) Remove old fiberglass trough with float valve and replace with fiberglass walk in trough not requiring a float valve
- d) Replace barbed wire fence with pipe rail fence

**PROJECT LOCATION:**

The catchment is located in Game Management Unit 37B; GPS coordinates N33.09.042 and W111.15.261 (see attached map)

**LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):**  
Bureau of Land Management

**IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?**

**HABITAT DESCRIPTION:**

Game management unit 37B is located in Pinal County, Arizona, southeast of Phoenix. The habitat around the Mineral Mountain catchment consists of lower sonoran desert scrub. Common vegetation includes jojoba (*Simmondsia chinensis*), foothill palo verde (*Cercidium microphyllum*), and mesquite (*Prosopis spp.*). Average rainfall is approximately 13" and elevation is approximately 1980'.

**ITEMIZED USE OF FUNDS:**

Item	Cost Share	SBG funds requested
2- 18' diameter ring tanks		19,845.00
1- 3'x4' walk-in trough		3,270.00
1- 24'x72' apron		5,245.00
Piperail fence (existing size) *this could be changed to standard size with the cost of 3,500.00		8,500.00
Misc materials and plumbing		1,000.00
AGFD, provide in-kind labor to write proposal, coordinate project, and complete report. Calculated as 6 days @ \$125/day.	750.00	
BLM, provided administrative support including labor/funding to produce NEPA clearance.	2,000.00	
Total	2,750.00	37,860.00

**Total Project Costs = \$40,610.00**

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

AGFD Development Branch: acquire the materials and provide equipment and minimal labor for construction, also contracted out Arch clearance.

Bureau of Land Management: NEPA requirements

**PROJECT MONITORING PLAN:**

The project proponent will monitor the project and coordinate with the Game and Fish Department development crew, BLM personnel and volunteers throughout the project. After completion, the catchment will be monitored at least 4 times a year with additional visits as needed during the dry summer months.

**PROJECT MAINTENANCE:**

The Development crew of the Arizona Game and Fish Department will provide maintenance as needed, coordinated by the area wildlife manager.

**PROJECT COMPLETION REPORT TO BE FILED BY:**  
**The project proponent**

**WATER DEVELOPMENT PROJECTS (see attached worksheet):**

**TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet):**

## **ARIZONA GAME AND FISH DEPARTMENT** **WATER DEVELOPMENT WORKSHEET**

**PROJECT NAME:** Mineral Mountain Catchment Redevelopment

- 1) **Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Implementation Schedule?"**  
Yes it is listed among the top 3 for Region 6.
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**  
Joseph Currie, fall of 2008 through Spring of 2009.
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**  
\_\_\_2-4 \_\_\_4-6 \_\_\_6-8 \_\_\_8-10 \_\_\_10-12 ☒12-14 \_\_\_14-16 \_\_\_>16
- 4) **Is there a perennial water source available to big game within four miles of this project?**  
☒YES (please complete #5 below) \_\_\_NO (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**  
Name of water source: Cactus Patch Water Catchment  
Type of water source (catchment, spring, dirt tank, etc.): Catchment  
Ownership of water source: Game and Fish Department catchment on BLM land  
Distance in miles from project: 1.85 miles
- 6) **Is the target wildlife species a result of transplant efforts?** \_\_\_YES ☒NO
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner.**
- 8) **Please provide the following information about access to the proposed site:**  
Type of access (mark one): ☒2x4 vehicles \_\_\_4x4 only \_\_\_foot only\*\*  
\*\*If foot access only: Distance in miles: Approx. hiking time:  
  
-- Does access to this site require crossing private or tribal lands? \_\_\_YES ☒NO  
  
-- Please describe any restrictions to public access:  
  
9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**  
2 – 18' dia. Ring tanks  
1 – 3' X 4' Walk-in trough  
1 – 24' X 72' Apron  
Piperail fence  
Misc. materials and plumbing

**10) Was a site visit completed?** ☒ Yes ☐ No

If yes, please list personnel that attended and date.

Joe Currie August 7, 2008



**Mineral Mountain Catchment Photo 1**  
**Overview of catchment facing south**





**Mineral Mountain Catchment Photo 2**  
**Close up of rotting/buckling wood**

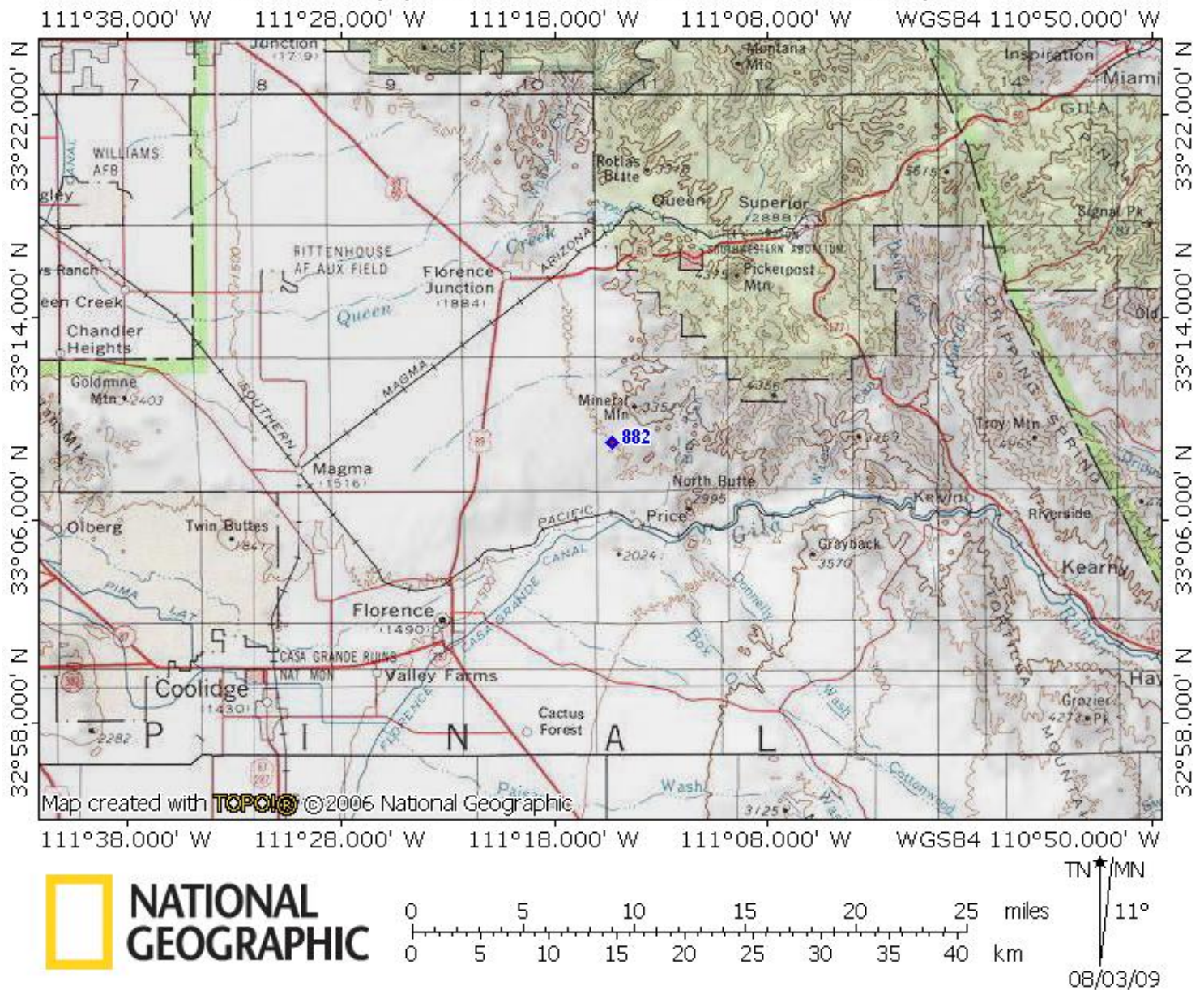




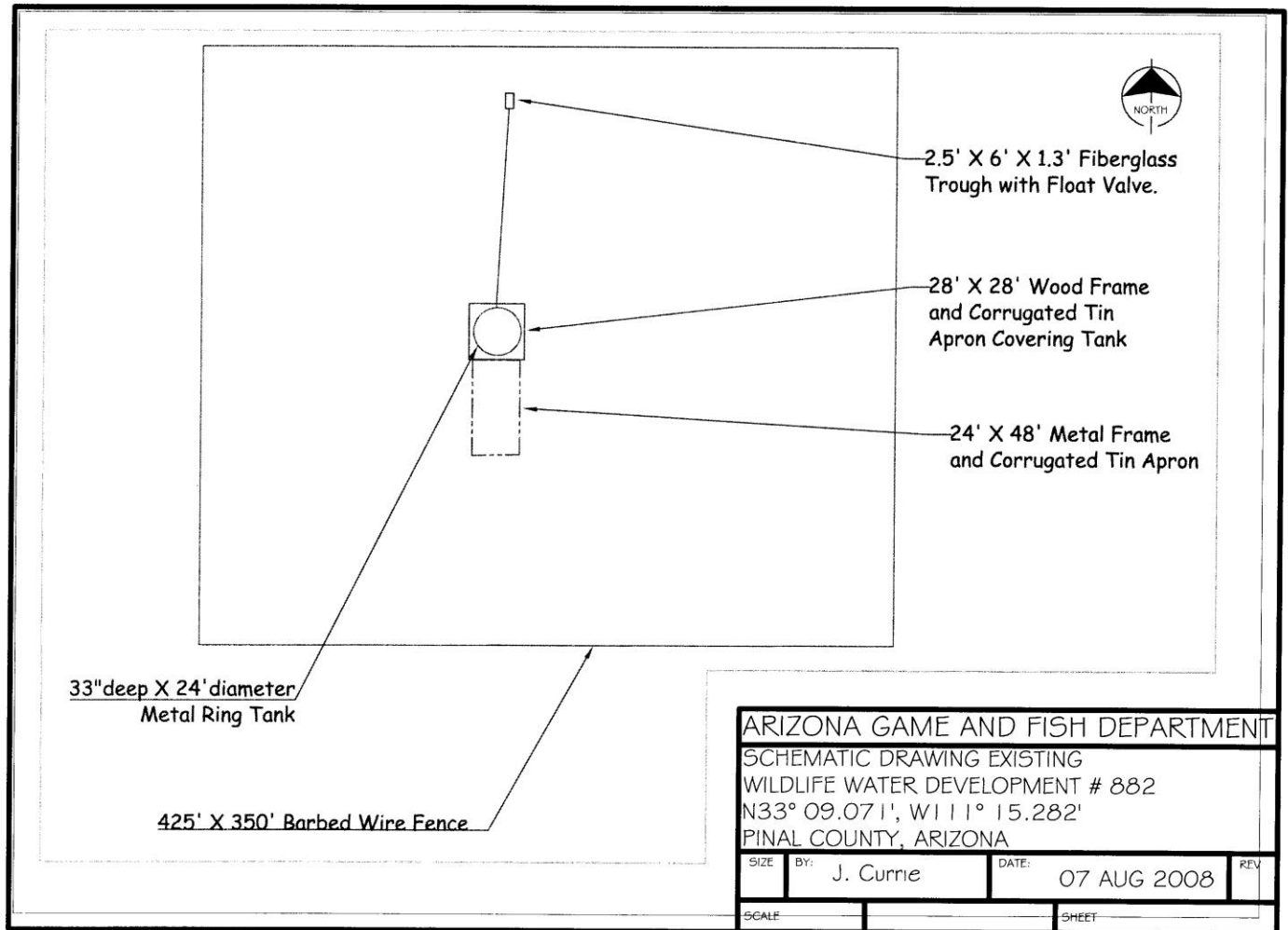
**Mineral Mountain Catchment Photo 2**  
**Close up of missing sheeting**



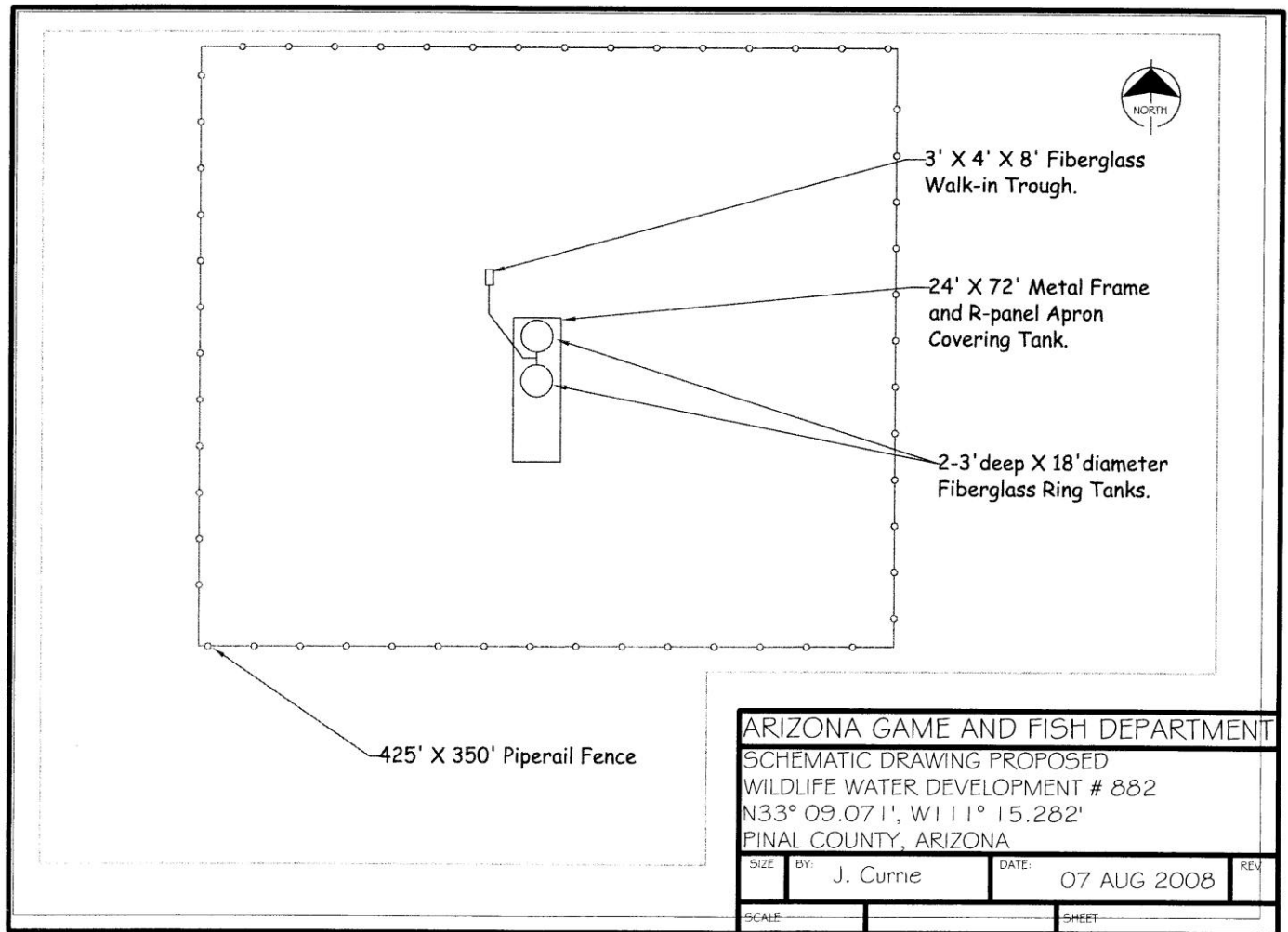
TOPO! map printed on 08/03/09 from "Untitled.tpo"



Location of Mineral Mountain Catchment



**Existing Mineral Mountain Catchment**



**Proposed Mineral Mountain Catchment**